

IN THE CLAIMS

Please cancel claims 1-8 and add new claims 9-23.

9. In a valve for controlling fluids, having a piezoelectric actuator (2) which is disposed in an actuator bore (3), a hydraulic booster (11), and a bellows (5) for absorbing an axial stroke of the piezoelectric actuator (2), the improvement wherein the bellows (5) is solidly connected to the piezoelectric actuator (2) and to the actuator bore (3).

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10. The valve for controlling fluids of claim 9, wherein the bellows (5) has a sleevelike extension (7), which is solidly connected to the actuator bore (3).

11. The valve for controlling fluids of claim 9, wherein the connection between the bellows (5) and the piezoelectric actuator (2) and/or the connection between the bellows (5) and the actuator bore (3) is embodied as a welded connection.

12. The valve for controlling fluids of claim 10, wherein the connection between the bellows (5) and the piezoelectric actuator (2) and/or the connection between the bellows (5) and the actuator bore (3) is embodied as a welded connection.

13. The valve for controlling fluids of claim 9, wherein the sleevelike extension (7) of the bellows (5) is solidly connected to the actuator bore (3) via a press fit of a retaining body (10).

14. The valve for controlling fluids of claim 10, wherein the sleeve-like extension (7) of the bellows (5) is solidly connected to the actuator bore (3) via a press fit of a retaining body (10).

15. The valve for controlling fluids of claim 13, wherein the retaining body (10) at least partly receives the hydraulic booster (11).

16. The valve for controlling fluids of claim 14, wherein the retaining body (10) at least partly receives the hydraulic booster (11).

17. The valve for controlling fluids of claim 9, wherein the bellows (5) is embodied with three undulations (6).

18. The valve for controlling fluids of claim 9, wherein the bellows (5) is produced from metal.

19. The valve for controlling fluids of claim 10, wherein the bellows (5) is produced from metal.

20. The valve for controlling fluids of claim 11, wherein the bellows (5) is produced from metal.

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21. The valve for controlling fluids of claim 9, wherein an actuator spring (16) has at least four windings, which are placed against the actuator bore (3).
22. The valve for controlling fluids of claim 10, wherein an actuator spring (16) has at least four windings, which are placed against the actuator bore (3).
23. The valve for controlling fluids of claim 11, wherein an actuator spring (16) has at least four windings, which are placed against the actuator bore (3).
